

(FILE 'HOME' ENTERED AT 12:04:32 ON 22 MAY 2003)

FILE 'REGISTRY' ENTERED AT 12:04:41 ON 22 MAY 2003

L1 16526 S PC/PCT
L2 167751 S PES/PCT
L3 164469 S L2 NOT L1
L4 2 S 25038-59-9/RN OR 26062-94-2/RN
L5 1 S 9002-84-0/RN
L6 931 S PC/PCT AND SI/ELS
L7 15545 S L1 NOT L6

FILE 'CA' ENTERED AT 12:06:32 ON 22 MAY 2003

L8 4 S L7 AND L6 AND L3 AND L5
L9 36 S L7 AND L6 AND L3 NOT L8
L10 268 S L1 AND L4 AND L5
L11 265 S L10 NOT (L8 OR L9)
L12 96 S L11 AND C08L-069?/IC
L13 75 S L11 AND (SILICONE? OR POLYSILOXAN? OR SILOX?)
L14 190 S L11 NOT L13
L15 68 S L14 AND C08L-069?/IC

L13 ANSWER 42 OF 75 CA COPYRIGHT 2003 ACS

AN 126:104936 CA

TI Fire-resistant polycarbonate compositions

IN Chiba, Takashi; Watanabe, Atsushi; Nakajima, Masaki

PA Denki Kagaku Kogyo Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

IC ICM C08L069-00

ICS C08K003-08; C08K005-49; C08L027-12; C08L051-00; C08L061-06;

C08L083-04; C08L101-00

CC 37-6 (Plastics Manufacture and Processing)

Section cross-reference(s): 38

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 08302175	A2	19961119	JP 1995-107390	19950501
PRAI	JP 1995-107390		19950501		
AB	The compns. comprise 100 parts blends contg. (A) 1-99% polycarbonates, (B) 1-50% graft copolymers with content of Na and K .ltoreq.200 ppm, Mg content .ltoreq.150 ppm, and Ca content .ltoreq.1000 ppm, and (C) 0-98% other thermoplastic polymers, (D) 1-50 parts P compds., and (E) 0.01-30 parts silicones , fluoropolymers, and/or phenolic resins. Thus, Panlite L 1250 (a polycarbonate) 70, acrylonitrile-butadiene-styrene graft copolymer 15, acrylonitrile-styrene copolymer 15, Ph3P 14, and Teflon 6J 0.2 part were blended, and injection molded to give test pieces showing heat distortion temp. 85.degree., Izod impact strength 105 kg-cm/cm, and UL-94 flammability rating V-0.				
ST	polycarbonate ABS graft copolymer blend; fire resistance polycarbonate				
ABS	blend; impact resistance polycarbonate graft copolymer blend; phosphorus compd fireproofing agent polycarbonate				
IT	Fireproofing agents (fire-resistant polycarbonate blends with improved heat and impact resistance)				
IT	Fluoropolymers, uses Fluoropolymers, uses Polysiloxanes , uses				
	RL: MOA (Modifier or additive use); USES (Uses) (fire-resistant polycarbonate blends with improved heat and impact resistance)				
IT	Polycarbonates, properties Polyesters, properties				
	RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (fire-resistant polycarbonate blends with improved heat and impact resistance)				
IT	Polymer blends				
	RL: PRP (Properties); TEM (Technical or engineered material use); USES (Uses) (fire-resistant polycarbonate blends with improved heat and impact resistance)				
IT	Ethylene-propylene rubber				
	RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)				

(maleated, graft polymers; fire-resistant polycarbonate blends with improved heat and impact resistance)

IT Phenolic resins, uses
 RL: MOA (Modifier or additive use); USES (Uses)
 (novolak; fire-resistant polycarbonate blends with improved heat and impact resistance)

IT 108-31-6DP, 2,5-Furandione, reaction products with ethylene-propylene copolymer, graft polymers, preparation 9010-79-1DP, Ethylene-propylene copolymer, maleated, graft polymers 2976?-66-1DP,

Acrylonitrile-glycidyl
 methacrylate-styrene copolymer, graft polymers 106677-58-1P,
 Acrylonitrile-butadiene-styrene graft copolymer
 RL: IMF (Industrial manufacture); POF (Polymer in formulation); PRP (Properties); PUR (Purification or recovery); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (fire-resistant polycarbonate blends with improved heat and impact resistance)

IT **9002-84-0**, Teflon 6J 31900-57-9D, Dimethylsilanediol homopolymer, trimethylsilyl-terminated 42557-10-8, SH 200
 RL: MOA (Modifier or additive use); USES (Uses)
 (fire-resistant polycarbonate blends with improved heat and impact resistance)

IT 9003-54-7, Acrylonitrile-styrene copolymer **24936-68-3**, Panlite L 1250, properties **25037-45-0**, 2,2-Bis(4-hydroxyphenyl)propane-carbonic acid copolymer **25038-59-9**, properties 95877-36-4, Maleic anhydride-N-phenylmaleimide-styrene copolymer
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (fire-resistant polycarbonate blends with improved heat and impact resistance)

IT 115-86-6, Triphenyl phosphate 57583-54-7, CR 733S
 RL: MOA (Modifier or additive use); USES (Uses)
 (fireproofing agents; fire-resistant polycarbonate blends with improved heat and impact resistance)

IT 106974-58-7D, maleated
 RL: POF (Polymer in formulation); PRP (Properties); TEM (Technical or engineered material use); USES (Uses)
 (maleated ethylene-propylene rubber, graft polymers; fire-resistant polycarbonate blends with improved heat and impact resistance)

L Number	Hits	Search Text	DB	Time stamp
1	524	((525/92a; or (525/101)).CCLS.	USPAT; US-PGPUB	2003/05/22 16:11
2	168	((525/92a) or (525/101)).CCLS.) and polycarbonate\$	USPAT; US-PGPUB	2003/05/22 16:28
3	137	(525/92e).CCLS.	USPAT; US-PGPUB	2003/05/22 16:28
4	123	((525/92e).CCLS.) not (((525/92a) or (525/101)).CCLS.) and polycarbonate\$)	USPAT; US-PGPUB	2003/05/22 16:37
5	187	(525/464).CCLS.	USPAT; US-PGPUB	2003/05/22 16:38
6	165	((525/464).CCLS.) not ((525/92e).CCLS.) or ((525/92e).CCLS.) not (((525/92a) or (525/101)).CCLS.) and polycarbonate\$) or (((525/92a) or (525/101)).CCLS.) and polycarbonate\$))	USPAT; US-PGPUB	2003/05/22 16:58
7	834	525/439	USPAT; US-PGPUB	2003/05/22 16:58
8	521	(525/439).CCLS.	USPAT; US-PGPUB	2003/05/22 16:58
9	485	((525/439).CCLS.) not (((525/464).CCLS.) not ((525/92e).CCLS.) or ((525/92e).CCLS.) not (((525/92a) or (525/101)).CCLS.) and polycarbonate\$) or (((525/92a) or (525/101)).CCLS.) and polycarbonate\$)) or (((525/92a) or (525/101)).CCLS.) and polycarbonate\$) or (((525/92a) or (525/101)).CCLS.) and polycarbonate\$) or ((525/92e).CCLS.) or ((525/92e).CCLS.) not (((525/92a) or (525/101)).CCLS.) and polycarbonate\$))	USPAT; US-PGPUB	2003/05/22 16:59
10	79	((525/439).CCLS.) not (((525/464).CCLS.) not ((525/92e).CCLS.) or ((525/92e).CCLS.) not (((525/92a) or (525/101)).CCLS.) and polycarbonate\$) or (((525/92a) or (525/101)).CCLS.) and polycarbonate\$)) or (((525/92a) or (525/101)).CCLS.) and polycarbonate\$) or ((525/92e).CCLS.) or ((525/92e).CCLS.) not (((525/92a) or (525/101)).CCLS.) and polycarbonate\$))) and (silicone\$ or siloxane\$ or polysiloxane\$)	USPAT; US-PGPUB	2003/05/22 17:00